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Substitute for form 1449

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Sheet	1	of	2
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**Complete if Known**

Application Number	10/656,684
Filing Date	Sept. 5, 2003
First Named Inventor	Jeff Miller
Art Unit	1712
Examiner Name	Philip C. Tucker
Attorney Docket Number	HALB:045

[illegible][illegible]

**Examiner  
Signature**

P. TUCKER

Date  
Considered

7/06

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

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Attorney Docket Number	HALB:045

Sheet

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**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
PT	YC	Baroid Drilling Fluids Product Information Sheet on RM-63, Rheology Modifier (1990) (2 pages).	
	YD	Baroid Drilling Fluids Product Data Sheets (1993) (121 pages)	
	YE	Manual of Drilling Fluids Technology, Fundamental Characteristics of Drilling Fluids, NL Baroid/NL Industries, Inc. (1979) (22 pages)	
	YF	Halliburton Drilling Fluids Technology --Introduction to Drilling, Dril-N & Completion Fluids	
	YG	Minute Entry for Markman Hearing Proceedings in Halliburton v. M-I, 6-05cv155, U.S. District Ct., Eastern District of Texas	
	YH	Transcript of Markman Hearing Before Hon. L. Davis in Halliburton v. M-I, 6-05cv155, U.S. District Ct., Eastern District of Texas	
PT	HI	Baroid's Environmentally Safe Fluids--PETROFREE LV, ACCOLADE (31 pages)	

Examiner Signature	P. Tucker	Date Considered	7/06
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Attorney Docket Number	HALB:045

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PT	LA	Baroid Drilling Fluids, Inc. brochure entitled "PETROFREE™ The Biodegradable Solution for High-Performance Drilling," (1998) 8 pages	
	LB	A. Samuels, "H2S Need Not Be Deadly, Dangerous, Destructive," Soc. Petroleum Engineers, SPE 5202, (1974)	
	LC	R.K. Clark, et al., "Polyacrylamide/Potassium-Chloride Mud for Drilling Water-Sensitive Shales," J Petroleum Tech. 719-729 SPE 5514 (June 1976)	
	LD	J.E. Friedheim, et al, "An Environmentally Superior Replacement for Mineral-Oil Drilling Fluids," 299-312, SPE 23062 (Sept 3-6, 1991)	
	LE	J.H. Rushing, et al., "Bioaccumulation from Mineral Oil-Wet and Synthetic Liquid-Wet Cuttings in an Estuarine Fish," 311-320, SPE 23350 (Nov. 10-14, 1991)	
	LF	F.V. Jones, et al, "The Chronic Toxicity of Mineral Oil-Wet and Synthetic Liquid-Wet Cuttings on an Estuarine Fish, Fundulus grandis," 721-730, SPE 23497 (Nov. 10-13, 1991)	
	LG	J.E. Friedheim, et al., "Superior Performance with Minimal Environmental Impact: A Novel Nonaqueous Drilling Fluid," 713-726, SPE 25753 (Feb. 23-25, 1993)	
	LH	S. Park, et al., "The Success of Synthetic-Based Drilling Fluids Offshore Gulf of Mexico: A Field Comparison to Conventional Systems," 405-418, SPE 26354 (1993)	
	LI	M. Slater, "Commonly Used Biodegradation Techniques for Drilling Fluid Chemicals, Are They Appropriate," 387-397, SPE/IADC 29376 (1995)	
PT	LI	J. Candler, et al., "Seafloor Monitoring for Synthetic-Based Mud Discharged in the Western Gulf of Mexico," 51-69, SPE 29694 (1995)	

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PT	LL	J.E. Friedheim, et al, "Second Generation Synthetic Fluids in the North Sea: Are They Better?", 215-226, IADC/SPE 350061 (1996)	
	LM	M.A. Legendre Zevallos, et al., "Synthetic-Based Fluids Enhance Environmental and Drilling Performance in Deepwater Locations," 235-242, SPE 35329 (1996)	
	LN	E.A. Vik, et al, "Factors Affecting Methods for Biodegradation Testing of Drilling Fluids for Marine Discharge," 697-711, SPE 35981 (1996)	
	LO	L. Bailey, et al., "Filtercake Integrity and Reservoir Damage," 111-120, SPE 39429, (1998)	
	LP	P.A. Bern, et al., "Barite Sag: Measurement, Modeling and Management," IADC/SPE 47784 (9 pages) (1998)	
	LQ	N. Hands, et al., "Optimising Inflow Performance of a Long Multi-Lateral Offshore Well in Low Permeability Gas Bearing Sandstone: K14-FB 102 Case Study," SPE 50394 (1998) 14	
	LR	L. Xiao, et al., "Studies on the Damage Induced by Drilling Fluids in Limestone Cores," SPE 50711 (17 pages) (1999)	
	LS	A. Meinhold, "Framework for a Comparative Environmental Assessment of Drilling Fluids Used Offshore," SPE 52746 (10 pages) (1999)	
	LT	L.J. Fraser, et al., "Formation-Damaging Characteristics of Mixed Metal Hydroxide Drill-In Fluids and a Comparison with Polymer-Base Fluids," SPE 57714 (1999)	
PT	LU	P.A. Bern, et al, "Barite Sag: Measurement, Modeling, and Management," SPE 62051, SPE Drill. & Completion 15(1) 25-30 (March 2000)	

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Sheet 3 of 9	Attorney Docket Number	HALB:045	

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PT	LV	A. Saasen, et al, "Prediction of Barite Sag Potential of Drilling Fluids from Rheological Measurements," SPE/IADC 29410 (Feb 26-Mar 2, 1995)	
	LW	P.I. Reid, et al, "Field Evaluation of a Novel Inhibitive Water-Based Drilling Fluid for Tertiary Shales," SPE 24979 (Nov. 16-18, 1992)	
	LX	W. Hite, et al, "Better Practices and Synthetic Fluid Improve Drilling Rates, Oil & Gas J. Online (Feb. 20, 1995)	
	LY	N. Hands, et al, "Drill-in Fluid Reduces Formation Damage, Increases Production Rates," Oil & Gas J. Online (1998)	
	LZ	J.P. Plank, "Water-Based Muds Using Synthetic Polymers Developed for High Temperature Drilling," Oil & Gas J. Online (1992)	
	MA	Brookfield Instruction Manual for SSV Vane Standard Spindle Set	
	MB	Brookfield Press Release on Vane Spindles (March 12, 2002), ThomasNet Product News Room	
	MC	EPA Development Document for Proposed Effluent Limitations Guidelines for Standards for Synthetic-Based Drilling Fluid and Other Non-Aqueous Drilling Fluids ... (Feb. 1999)	
	MD	Environmental Impacts of Synthetic Based Drilling Fluids, U.S. Dept of the Interior, Minerals Management Service, August 2000	
PT	ME	EPA Environmental Assessment of Proposed Effluent Limitations Guidelines for Synthetic-Based Drilling Fluids and Other Non-Aqueous Drilling Fluids ... (Feb. 1999)	

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PF	MF	"Horizontal Wells Offer Economic Advantage," Horizontal News, Fall 1996	
	MG	A. Saasen, et al, "Monitoring of Barite Sag Important in Deviated Drilling," Oil & Gas J. Online (1991)	
	MH	Novadril (TM) System, MI Technology Report (1993)	
	MI	G. Robinson et al, "Novel Viscometer for Improved Drilling Fluid Characterization, Baker Hughes INTEQ (1996)	
	MJ	N.J. Alderman, et al, "Vane Rheometry of Bentonite Gels," 39 J. Non-Newtonian Fluid Mechanics 291-310 (1991)	
	MK	API Recommended Practice Standard Procedure for Field Testing Oil-Based Drilling Fluids, API Rec. Prac. 13B--2, 3rd. ed. (Feb. 1998) American Petroleum Institute	
	ML	Deposition Transcript of David Carbajal, co-inventor of US 6,887,832, in Civil Action 6:05CV155, US Dist. Ct. (E.D. TX), Halliburton Energy Serv. v. M-I, LLC, (Jan. 12, 2006)	
	MM	Deposition Transcript of Kimberly Burrows, co-inventor of US 6,887,832 in Civil Action 6:05CV155, US Dist. Ct. (E.D. TX), Halliburton Energy Serv. v. M-I, LLC, (Oct. 26, 2005)	
	MN	Deposition Transcript of Don Siems, co-inventor of US 6,887,832 in Civil Action 6:05CV155, US Dist. Ct. (E.D. TX), Halliburton Energy Serv. v. M-I, LLC, (Dec. 12, 2005)	
PF	MO	Deposition Transcript of Jeff Kirsner, co-inventor of US 6,887,832 in Civil Action 6:05CV155, US Dist. Ct. (E.D. TX), Halliburton Energy Serv. v. M-I, LLC, (Feb. 15, 2006)	

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Pt	MP	Deposition Transcript of Karen Tripp, patent prosecuting attorney for US 6,887,832, CV 6:05CV155, US Dist. Ct. (E.D. TX), Halliburton Energy Serv. v. M-I, LLC, (Jan 26, 2006)	
	MQ	First Amended Complaint, Civil Action No. 6:05CV155, U.S. Dist. Court, Eastern Dist. of Texas, Tyler Div., Halliburton Energy Services, Inc. v. M-I, LLC., filed 1/27/1006	
	MR	M-I, LLC's 2nd Amended Answer, Affirmative Defenses, and Counterclaims, Civil Action No. 6:05CV155, U.S. Dist. Court, Eastern Dist. of Texas, Tyler Div., filed 2/10/2006	
	MS	Plaintiff's Preliminary Infringement Contentions, Civil Action No. 6:05CV155, U.S. Dist. Court, Eastern Dist. of Texas, Halliburton Energy Services, Inc. v. M-I LLC, 9/16/2005	
	MT	M-I, LLC's Preliminary Invalidity Contentions, CA No. 6:05CV155, U.S. Dist. Court, Eastern Dist. of Texas, Halliburton Energy Services, Inc. v. M-I, LLC, 10/28/2005	
	MU	K. Burrows, et al., "New Low Viscosity Ester is Suitable for Drilling Fluids in Deepwater Applications," SPE 66553, Feb. 2001 (14 pages)	
	MV	L.F. Nicora, "High-Density Invert-Emulsion System with Very Low Solids Content to Drill ERD and HPHT Wells," SPE 65000, Feb. 2001 (17 pages)	
	MW	D. Eckhout, et al., "Development Process and Field Applications of a New Ester-based Mud System for ERD Wells on Australia's Northwest Shelf," IADC/SPE 62791 (Sept. 2002)	
	MX	M. Mas, et al, "A New High-Temperature Oil-Based Drilling Fluid," SPE 53941, Venezuela April 1999 (14 pages)	
Pt	MY	C. Cameron, et al, "Drilling Fluids Design and Management for Extended Reach Drilling," IADC/SPE 72290, Oct. 2001 (7 pages)	

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PT	MZ	L. Knox, et al, "New Developments in Ester-based Mud Technology," AADE-02-DFWM-HO-41, April 2002 (9 pages)	
	NA	L.J. Fraser, "Field Application of the All-Oil Drilling Fluid," IADC/SPE 19955, Feb. 27-Mar. 2, 1990)	
	NB	Halliburton's Proposed Terms and Claim Elements for Construction, CV 6.05CV155, US Dist. Ct. (E.D. TX), Halliburton Energy Serv. v. M-I, LLC, 11/21/2005	
	NC	Defendant M-I, L.L.C.'s List of Disputed Claim Terms, Civil Action No. 6:05CV155, U.S. Dist. Court, (E.D. TX), Halliburton Energy Services, Inc. v. M-I LLC, 11/21/2005	
	ND	Plaintiff's Preliminary Claim Constructions Pursuant to Local Patent Rule 4-2, CV 6.05CV155, US Dist. Ct. (E.D. TX), Halliburton Energy Serv. v. M-I, LLC, 12/23/2005	
	NE	Defendant M-I, LLC's Preliminary Claim Construction and Identification of Extrinsic Evidence for U.S. Patent No. 6,887,832, CV 6.05CV155, US Dist. Ct. (E.D. TX), 12/23/2005	
	NF	Joint Claim Construction and Prehearing Statement Pursuant to P.R. 4-3, CV 6.05CV155, US Dist. Ct. (ED TX), Halliburton Energy Serv. v. M-I, LLC 1/20/2006	
	NG	Defendant M-I, LLC's Motion for Summary Judgment of Invalidity with Respect to U.S. Patent No. 6,887,832	
	NH	M-I LLC's Motion for Leave to Add Inequitable Conduct Defense to its Pleadings, CV 6.05CV155, US Dist. Ct. (ED TX), Halliburton Energy Serv. v. M-I, LLC, 1/26/2006	
PT	NI	Plaintiff's Initial Disclosures, Civil Action 6.05CV155, US Dist. Ct. (ED TX), Halliburton Energy Services, Inc. v. M-I, LLC, 9/16/2005	

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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)		<b>Complete if Known</b>	
		Application Number	10/656,684
		Filing Date	September 5, 2003
		First Named Inventor	Jeff Miller
		Art Unit	1712
		Examiner Name	PHILIP C. TUCKER
Sheet 7	of 9	Attorney Docket Number HALB:045	

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
PT	NJ	Plaintiff's Initial Disclosures, Civil Action 6.05CV155, US Dist. Ct. (ED TX), Halliburton Energy Services, Inc. v. M-I, LLC, 9/16/2005	
	NK	Defendant M-I, LLC's Initial Disclosures, Civil Action 6.05CV155, US Dist. Ct. (ED TX), Halliburton Energy Services, Inc. v. M-I, LLC, 8/19/2005	
	NL	Plaintiff Halliburton's Objections and Responses to Defendant M-I LLC's First Set of Requests for Production, Civil Action 6.05CV155, Halliburton v. MI, 8/26/2005	
	NM	Plaintiff Halliburton's Objections and Responses to Defendant M-I LLC's First Set of Interrogatories, Civil Action 6.05CV155, Halliburton v. MI, 8/26/2005	
	NN	Plaintiff Halliburton's Supplemental Responses and Objections to Defendant M-I LLC's First Set of Interrogatories, Civil Action 6.05CV155, Halliburton v. MI, 10/25/2005	
	NO	M-I, LLC's Responses to Plaintiff's First Set of Interrogatories to Defendant (Nos. 1-21), Civil Action 6.05CV155, US Dist. Ct. (ED TX), Halliburton v. MI, 11/16/2005	
	NP	Halliburton's Opening Brief on Claim Construction, Civil Action 6.05CV155, US Dist. Ct. (ED TX), Halliburton Energy Services, Inc. v. M-I, LLC, 3/17/2006	
	NQ	Halliburton's Unopposed Motion for Leave to Exceed Page Limit for its Markman Brief, CV 6.05CV155, US Dist. Ct., Halliburton Energy Services, Inc. v. M-I, LLC, 3/17/2006	
	NR	Defendant M-I, LLC's Reply in Support of its Motion for Summary Judgment of Invalidity with Respect to U.S. Patent No. 6,887,832 with exhibits	
PT	NS	M-I, LLC's Responsive Brief on the Construction of the Asserted Claims of U.S. Patent No. 6,887,832 with exhibits	

Examiner Signature	<i>P. Tucker</i>	Date Considered	7/06
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Substitute for form 1449/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(Use as many sheets as necessary)</i>		<b>Complete if Known</b>	
		Application Number	10/656,684
		Filing Date	September 5, 2003
		First Named Inventor	Jeff Miller
		Art Unit	1712
		Examiner Name	PHILIP C. TUCKER
Sheet 8	of 9	Attorney Docket Number HALB:045	

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PT	NT	Halliburton's Unopposed Motion for Leave to Exceed Page Limit for its Surreply in Opposition to M-I's Motion for Summary Judgment of Invalidity with the Surreply and other exh	
PT	NU	Halliburton's Unopposed Motion for Leave to Exceed Page Limit for Reply Brief on Claim Construction with the Reply Brief and other exhibits	

Examiner Signature	P. TUCKER	Date Considered	7/06
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Substitute for form 1449/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 9

of 9

**Complete if Known**

Application Number	10/656,684
Filing Date	September 5, 2003
First Named Inventor	Jeff Miller
Art Unit	1712
Examiner Name	PHILIP C. TUCKER
Attorney Docket Number	HALB:045

**U. S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
PT	NV	US- 6,289,989	09-18-2001	Heinz Mueller	
		US-			
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**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				
PT	NW	CA 2 088 697	02/20/1992	Heinz Mueller et al		
	NX	WO 95 26386	10/05/1995	Wilkinson et al		
	NY	WO 96 22342	07/25/1996	M. Ellice et al.-BAROID		

Examiner Signature	P. Tucker	Date Considered	7/06
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